

In The Claims:

1. (Currently Amended) A method for use in a vehicle comprising:
sensing a current position of a trailer relative to the vehicle;
determining a vehicle steering wheel angle; ~~determining a predicted position of
the trailer based on the current position and the steering wheel angle; and~~
determining a predicted position of the trailer based on the current position and
the steering wheel angle; and
displaying within the vehicle the current position and the predicted position of the
trailer relative to the vehicle.
2. (Original) A method as recited in claim 1 wherein sensing a current position
comprises sensing the current position in response to a camera.
3. (Original) A method as recited in claim 1 wherein sensing a current position
comprises sensing the current position in response to a reverse aid system.
4. (Original) A method as recited in claim 1 wherein sensing a current position
comprises sensing the current position in response to a hitch sensor.
5. (Original) A method as recited in claim 1 further comprising applying brake-
steer to the trailer to reduce the turning radius of the trailer and vehicle.
6. (Original) A method as recited in claim 1 further comprising applying brake-
steer to the trailer and vehicle to reduce the turning radius of the trailer and vehicle.
7. (Original) A method as recited in claim 1 further comprising applying brake-
steer to the vehicle to reduce the turning radius of the trailer and vehicle.
8. (Original) A method as recited in claim 7 wherein applying brake-steer
comprises applying at least one brake at a first wheel to reduce a vehicle turning radius.
9. (Original) A method as recited in claim 7 wherein applying brake-steer
comprises applying an increased drive torque to a second wheel relative to a first wheel.

10. (Original) A method as recited in claim 7 applying brake-steer comprises increasing a normal load on the vehicle.

11. (Original) A method as recited in claim 1 wherein determining a predicted position comprises determining a vehicle trailer interference and displaying the interference.

12. (Original) A method of controlling a vehicle having a trailer comprising:
generating a reverse direction signal corresponding to a reverse direction of the vehicle;

sensing a current position of a trailer relative to the vehicle;

determining a vehicle steering wheel angle;

determining a predicted position of the trailer based on the current position of the trailer and the steering wheel angle; and

displaying the current position and the predicted position within the vehicle in response to the reverse direction.

13. (Original) A method as recited in claim 12 wherein sensing a current position comprises sensing 10 a current position in response to a camera.

14. (Original) A method as recited in claim 12 wherein sensing a current position comprises sensing a current position in response to a reverse aid system.

15. (Original) A method as recited in claim 12 wherein sensing a current position comprises sensing a current position in response to a hitch sensor.

16. (Original) A method as recited in claim 12 wherein generating a reverse direction signal comprises generating a reverse direction from a shift lever.

17. (Currently Amended) A method as recited in claim 12 wherein generating a reverse direction signal comprises generating a reverse direction from a push [[25]] button.

18. (Original) A method as recited in claim 12 wherein generating a reverse direction signal comprises generating a reverse direction from a transmission controller.

19. (Original) A method as recited in claim 12 wherein generating a reverse direction signal comprises generating a reverse direction from a wheel speed sensor.

20. (Original) A method as recited in claim 12 wherein generating a vehicle steering angle comprises generating a steering angle in response to a steering angle sensor.

21. (Currently Amended) A system for a vehicle coupled to a trailer comprising:

a position sensor generating a trailer position signal corresponding to a trailer position; ~~signal; means to generate a reverse direction signal corresponding to a reverse direction of the vehicle;~~

means to generate a reverse direction signal corresponding to a reverse direction of the vehicle;

a display;

a steering wheel angle sensor; and

a controller coupled to the trailer position signal display, and steering wheel angle sensor, said controller displaying a predicted path of the trailer in response to the position signal.

22. (Original) A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a shift lever.

23. (Original) A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a push button.

24. (Original) A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a transmission controller.

25. (Original) A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a wheel speed sensor.

26. (Original) A system as recited in claim 21 wherein the position sensor comprises a hitch sensor.

27. (Original) A system as recited in claim 21 wherein the position sensor comprises a reverse aid sensor.

28. (Original) A system as recited in claim 21 wherein the reverse aid sensor comprises an ultrasonic sensor.

29. (Original) A system as recited in claim 21 wherein the position sensor comprises a camera.

30. (Currently Amended) A system as recited in claim 21 further comprising an input device coupled to said controller.